

I claim:

1 1. A design for agricultural and landscape irrigation fittings ready made
2 according to demand comprising:
3 a plurality of basic parts including:
4 a common body; or
5 a plurality of different types of termination fittings;
6 wherein the plurality of basic parts can be assembled together in various
7 combinations to form a multiplicity of distinct complete connectors.

1 2. The design of claim 1, wherein said common body has one or more variations
2 including:
3 a T-body;
4 a 90 degree elbow body;
5 a swivel hose body; or
6 a ball valve body.

1 3. The design of claim 1, wherein the plurality of basic parts further include:
2 a one-half inch MPT termination fitting;
3 a three-quarter inch MPT termination fitting; or
4 a three-quarter inch MHT termination fitting.

1 4. The design of claim 1, wherein the common body has male ports.

1 5. The design of claim 1, wherein the plurality of basic parts are assembled by
2 sonic welding.

1 6. The design of claim 1, wherein the plurality of basic parts further include:
2 a tee with hub base for female threaded hose swivel;
3 a .250" barbed termination fitting;
4 a .400" barbed termination fitting;
5 a .700" barbed termination fitting;
6 a one-half inch pipe spigot termination fitting;
7 a one-half inch pipe socket termination fitting;
8 a three-quarter inch pipe socket termination fitting; or
9 a three-quarter inch ball valve body.

1 7. The design of claim 1 wherein the termination fittings are a compression type
2 for tubing.

1 8. The design of claim 1 wherein the termination fittings are an insert type.

1 9. A method of manufacturing fittings according to individual customer demand
2 suitable for agricultural and irrigation applications comprising the steps of:

3 providing a plurality of basic parts including a common body, and a plurality of
4 termination fittings; and

5 assembling the basic parts in various combinations to form a multiplicity of
6 distinct complete connectors.

1 10. The method of manufacturing connectors as in Claim 9 and further
2 comprising the step of sonic welding the basic parts together:

1 11. The method of manufacturing connectors as in Claim 9 wherein the common
2 body has one or more variations including a T-body, an elbow body, a swivel hose
3 body, or a ball valve body.

1 12. The method of manufacturing connectors as in Claim 9 and further
2 comprising the step of providing additional basic parts including a tee with hub base for
3 female threaded hose swivel, a .250" barbed termination fitting; a .400" barbed
4 termination fitting, a .700" barbed termination fitting, a one-half inch pipe spigot
5 termination fitting, a one-half inch pipe socket termination fitting, a three-quarter inch
6 pipe socket termination fitting; or a three-quarter inch ball valve body.

1 13. The method as in claim 9 wherein the assembling step is performed using
2 sonic welding.

1 14. A method of providing an inventory of made-to-demand fittings suitable for
2 agricultural and irrigation applications comprising:

3 providing a common body with at least two ports, which ports lack termination
4 fittings or selected termination fittings for coupling to the common body according to
5 demand; and

6 coupling the selected termination fittings to the common body or the selected
7 termination fittings together to form a fluid-tight seal between them and to provide a
8 completed connector according to demand.

1 15. The method of claim 14 where providing the common body comprises
2 selectively providing a T-body, elbow body, swivel hose body, or ball valve body
3 according to demand.

1 16. The method of claim 14 where providing selected termination fittings
2 according to demand comprises selectively providing threaded, barbed or spigot
3 termination fittings of selected sizes, hose swivel fittings of selected sizes, pipe socket
4 termination fittings of selected sizes, ball valve bodies of selected sizes, or tubing
5 compression or insert-type termination fittings, each according to demand to couple to
6 the common body.

1 17. The method of claim 14 where providing the common body provides a
2 body with ports of a first one of a male or female type, and where providing selected
3 termination fittings for coupling to the common body according to demand provides
4 termination fittings of a second one of a male or female type, opposite the first type.

1 18. The method of claim 17 where providing a common body with ports of a
2 first one of a male or female type comprises providing a common body with male type
3 ports, and where providing termination fittings of a second one of a male or female type
4 comprises providing termination fittings of a female type.

1 19. A made-to-demand fitting suitable for agricultural and irrigation
2 applications comprising:
3 a common body with at least two ports, which ports lack termination fittings; and
4 termination fittings selected according to demand coupled to the common body to
5 form a fluid-tight seal thereto.

1 20. The fitting of claim 19 where the common body comprises a multiple port
2 manifold selected according to demand.

1 21. The fitting of claim 19 where the selected termination fittings comprises
2 threaded, barbed or spigot termination fittings of selected sizes, hose swivel termination
3 fittings of selected sizes, pipe socket termination fittings of selected sizes, ball valve
4 bodies of selected sizes, or tubing compression or insert-type termination fittings, each
5 selected according to demand.

1 22. The fitting of claim 19 where the common body has ports of a first one of a
2 male or female type, and where the selected termination fittings for coupling to the
3 common body have a second one of a male or female type, opposite to the first type.

1 23. The fitting of claim 22 where the ports are male type ports, and the
2 termination fittings are of a female type.

1 24. A made-to-demand fitting suitable for agricultural and irrigation
2 applications as an adapter comprising:
3 a male termination fitting of a first type selected according to demand; and
4 a female termination fitting of a second type different from the first type selected
5 according to demand, the male and female termination fittings being coupled together to
6 form a fluid-tight seal thereto.

1 25. The fitting of claim 24 where the first type of fittings is a compression fitting
2 and where the second type of fitting is an insert fitting.